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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,536	09/26/2003	Martyn Hum	TK8778US	3722
7590	10/19/2005		EXAMINER	
Mark Kusner Mark Kusner Co., LPA Highland Place - Suite 310 6151 Wilson Mills Road Highland Heights, OH 44143			BRITTAIN, JAMES R	
			ART UNIT	PAPER NUMBER
			3677	
DATE MAILED: 10/19/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/672,536	<b>Applicant(s)</b> HURN, MARTYN	
	<b>Examiner</b> James R. Brittain	<b>Art Unit</b> 3677	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 03 October 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 7 and 9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 7 and 9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |  |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                        |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____   |

***DETAILED ACTION***

***Allowable Subject Matter***

The indicated allowability of claims 7 and 9 is withdrawn in view of a further review that took place at this time with respect to Wales (US 348871). Rejections based on the newly utilized reference follow. The inconvenience to applicant is regretted. The finality of the last office action is withdrawn.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. §103(a) which forms the basis for all obviousness rejections set forth in this Office action:

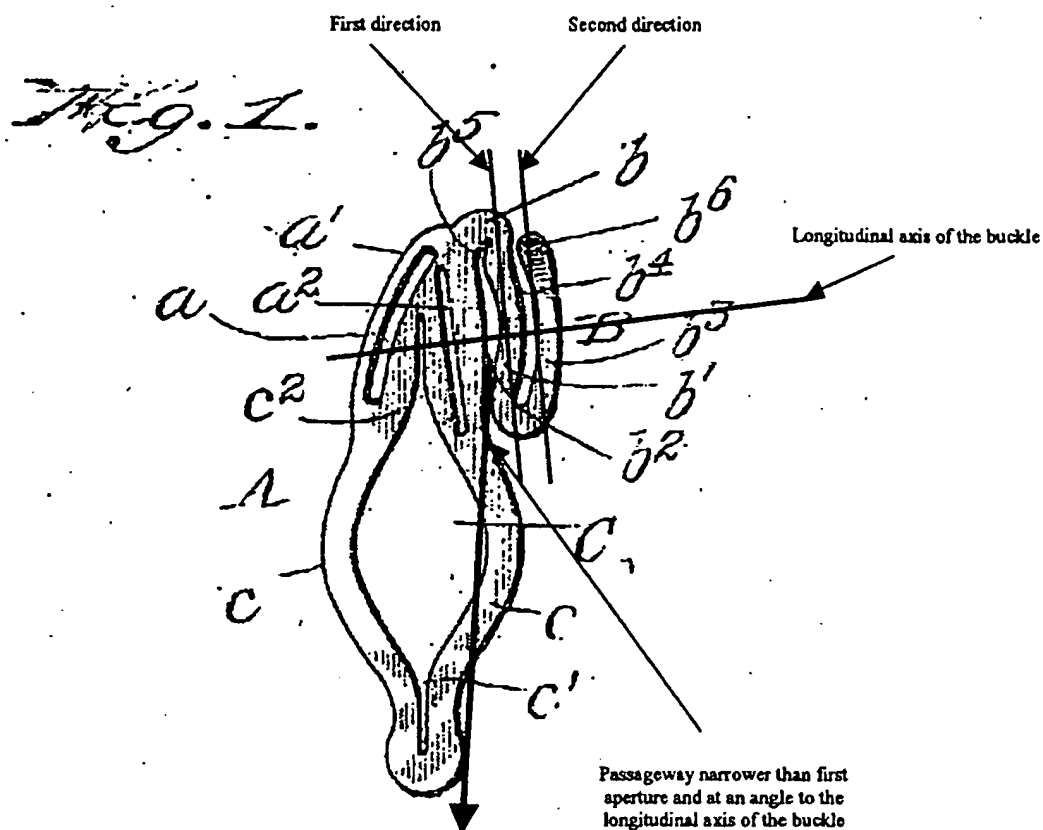
(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. §103(a) as being unpatentable over Nonnemacher (US 837103) in view of Wales (US 348871).

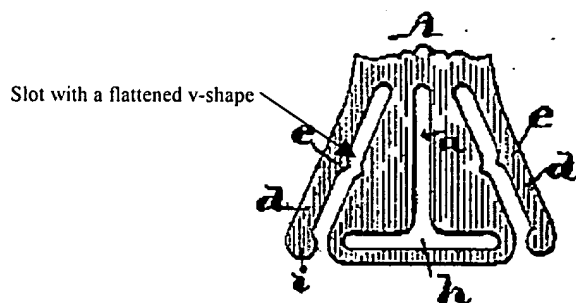
Nonnemacher (figure 1 reproduced below with added identifiers) teaches a buckle comprising: a main body, the main body including a first connection means including at least one bar integrally formed with the main body of the buckle, and defining elongate slots, a, a<sup>2</sup>, therein adapted for receiving a length of webbing or the like; and a securing portion, the securing portion including a second connection means including a first arm, b', integrally formed with the main body of the buckle, wherein the first arm has proximal and distal ends, the proximal end being attached to the main body of the buckle and the first arm extending from the main body of the buckle in a first direction and defining a first aperture, b<sup>2</sup>, therewith, and the first aperture having an opening at one end, facing in the first direction, through which a captive loop of webbing may

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be guided into the first aperture if so desired; wherein a second arm, b3, is integrally formed with the main body of the buckle, wherein the second arm, b3, extends from the first arm, b', in a second direction, substantially opposite to the first direction, and defines a second aperture, b4, therewith, wherein the second aperture has an opening at one end, facing in the second direction, adapted to be inherently capable of receiving the captive loop of webbing. The second arm, b3, is turned through approximately 180° relative to the first arm and faces in a direction opposite to that of the first arm. The captive loop of webbing is not claimed in combination and the buckle of Nonnemacher is fully capable of receiving a captive loop if so desired. The two "means" statements, "first connection means" (claim 7, line 2) and "second connection means" (claim 7, line 7) are not accorded interpretation under 35 U.S.C. 112, sixth paragraph because each is followed by language specifically describing the structure performing the function. The elongated slots, a, a2, are considered to be defined within two bars with the remaining portion defines a grip portion, c. The web passageway leading to the first aperture, b2, is considered inclined relative to an axis of the buckle and is narrower than the first aperture. While the device of Nonnemacher is not disclosed as used upon a rucksack, the device can inherently be used upon a rucksack if so desired and the rucksack is not claimed in combination.



The first aperture is inherently dimensioned to allow twisting of webbing that is placed therein. The difference is that the elongated slot, *a*, while curved is not formed as a substantially flattened v-shape. However, Wales (figures 1, 9) teaches buckle structure wherein the projecting point, *e*, defines a substantially flattened v-shape with the apex at the center of the slot and that such structure has the purpose of preventing accidental disengagement of the webbing (page 1, lines 74-80).



*Fig. 9.*

As it would be beneficial to make the construction of the buckle of Nonnemacher simpler and have better engagement of the webbing in the elongated slot than that provided by a curved slot, it would have been obvious to make the elongated slot of a flattened v-shape as taught by Wales to be advantageous so as to better engage the webbing. Review of applicant's specification shows no function ascribed to the substantially flattened v-shaped slot and since Wales has a function for the substantially flattened v-shaped slot explicitly within the patent specification, the subject matter of this claim would have been obvious given the teachings of Nonnemacher and Wales.

Claim 9 is rejected under 35 U.S.C. §103(a) as being unpatentable over Nonnemacher (US 837103) in view of Wales (US 348871) as applied to claim 7 above, and further in view of Ginnel (US 2267235).

Further modification of the buckle of Nonnemacher such that the buckle is bent along a transverse bend line at an acute angle would have been obvious in view of Ginnel (Figures 2, 3) teaching a similar buckle including bending the buckle along a transverse bent portion 9 at an acute angle so as to provide an offset connection between the first connection 5, 6 for the webbing and the second connection 14 for the captive loop so as to provide easier manipulation. As it would be advantageous to more easily manipulate the fastener of Nonnemacher, it would have been obvious to modify the buckle of Nonnemacher so as to be bent along a transverse bend line at an acute angle in view of Ginnel teaching such structure to be desirable for easier manipulation of the buckle and webbing.

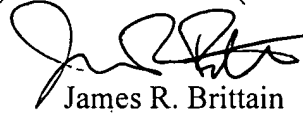
### ***Conclusion***

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to James R. Brittain whose telephone number is (571) 272-7065. The examiner can normally be reached on M-F 5:30-2:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. Swann can be reached on (571) 272-7075. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



James R. Brittain  
Primary Examiner  
Art Unit 3677

JRB